

The Skeptic Zone
Show 373 - 13 Dec 2015



"ESP" Podcast

1
00:00:16,270 --> 00:00:09,110
welcome to the skeptic zone the podcast

2
00:00:16,280 --> 00:00:22,040
Oh

3
00:00:28,830 --> 00:00:24,780
hello and welcome to the skeptic zone

4
00:00:32,940 --> 00:00:28,840
episode number 373 for the 13th of

5
00:00:36,830 --> 00:00:32,950
December 2015 Richard Saunders here with

6
00:00:40,080 --> 00:00:36,840
you from Sydney Australia hmm a cool

7
00:00:42,510 --> 00:00:40,090
overcast sort of day in Sydney a nice

8
00:00:44,520 --> 00:00:42,520
change a nice change from the heat and

9
00:00:48,960 --> 00:00:44,530
humidity maybe I should set up the

10
00:00:52,470 --> 00:00:48,970
skeptic zone weather podcast maybe I

11
00:00:54,330 --> 00:00:52,480
should do that who was it that said was

12
00:00:56,130 --> 00:00:54,340
an Oscar Wilde an old town said

13
00:00:57,660 --> 00:00:56,140

everybody talks about the weather

14

00:01:00,240 --> 00:00:57,670

everybody complains about the weather

15

00:01:02,190 --> 00:01:00,250

but nobody does anything about it would

16

00:01:05,850 --> 00:01:02,200

there are some things we can do things

17

00:01:08,520 --> 00:01:05,860

about coming up on the skeptic zone is

18

00:01:11,130 --> 00:01:08,530

how you can help some European type

19

00:01:16,200 --> 00:01:11,140

people in Europe promote their new

20

00:01:19,080 --> 00:01:16,210

podcast ESP no it's not about magic and

21

00:01:22,290 --> 00:01:19,090

clairvoyance it's about skepticism the

22

00:01:25,020 --> 00:01:22,300

new ESP podcast is a joint venture in

23

00:01:28,469 --> 00:01:25,030

Europe and coming up at the top of the

24

00:01:32,580 --> 00:01:28,479

show we interview pontus andis and y

25

00:01:36,630 --> 00:01:32,590

Alana it will tell you Paul yes the new

26
00:01:38,790 --> 00:01:36,640
European skeptics podcast ESP I love

27
00:01:40,770 --> 00:01:38,800
that I love that night I think that's a

28
00:01:43,410 --> 00:01:40,780
wonderful name for a skeptical podcast

29
00:01:46,169 --> 00:01:43,420
find out more coming up soon following

30
00:01:48,089 --> 00:01:46,179
that it's a little press release from

31
00:01:49,770 --> 00:01:48,099
Australian skeptics about a school in

32
00:01:52,800 --> 00:01:49,780
the state of Victoria here in New South

33
00:01:55,100 --> 00:01:52,810
Wales having a chicken pox outbreak and

34
00:01:58,290 --> 00:01:55,110
this is one of these schools that have a

35
00:02:00,180 --> 00:01:58,300
some more tolerant attitude when it

36
00:02:03,059 --> 00:02:00,190
comes to people's choices whether to

37
00:02:04,650 --> 00:02:03,069
vaccinate or not and here's another old

38
00:02:07,410 --> 00:02:04,660

expression the chickens have come home

39

00:02:09,120 --> 00:02:07,420

to roost van it's a week in science from

40

00:02:13,860 --> 00:02:09,130

our friends at the Royal Institution of

41

00:02:17,100 --> 00:02:13,870

Australia w WR I a u.s. ok you I'm sure

42

00:02:19,410 --> 00:02:17,110

that URL is now firmly imprinted in your

43

00:02:21,449 --> 00:02:19,420

brain which it should be because it's a

44

00:02:24,260 --> 00:02:21,459

fine institution and good scientific

45

00:02:27,089 --> 00:02:24,270

outreach and then may not spooky action

46

00:02:30,059 --> 00:02:27,099

may not add skeptics in the pub just the

47

00:02:32,670 --> 00:02:30,069

other week interviewed the guest speaker

48

00:02:33,940 --> 00:02:32,680

from Brisbane Ross pouch who you will

49

00:02:35,680 --> 00:02:33,950

recall is

50

00:02:38,080 --> 00:02:35,690

involved with a Brisbane skeptics

51
00:02:40,869 --> 00:02:38,090
society he's going to be talking about

52
00:02:42,759 --> 00:02:40,879
virology that's right those naughty

53
00:02:44,830 --> 00:02:42,769
viruses and there are some good viruses

54
00:02:47,530 --> 00:02:44,840
too in fact viruses are sort of

55
00:02:49,869 --> 00:02:47,540
indifferent really they're sort of just

56
00:02:52,050 --> 00:02:49,879
living their life cycle then to round

57
00:02:54,460 --> 00:02:52,060
off the show evidence please with Joe

58
00:02:55,509 --> 00:02:54,470
alabaster Joe is going to be talking

59
00:02:58,630 --> 00:02:55,519
about a press release from the

60
00:03:00,490 --> 00:02:58,640
Australian skeptics where they we

61
00:03:03,610 --> 00:03:00,500
because I'm involved with Australian

62
00:03:08,500 --> 00:03:03,620
skeptics have issued a challenge to

63
00:03:10,420 --> 00:03:08,510

so-called psychics to put up or shut up

64

00:03:12,339 --> 00:03:10,430

when it comes to making predictions now

65

00:03:13,839 --> 00:03:12,349

this time of the year and it's probably

66

00:03:18,009 --> 00:03:13,849

the same wherever you're listening

67

00:03:21,069 --> 00:03:18,019

around the world psychics end up on the

68

00:03:23,949 --> 00:03:21,079

TV usually morning TV programs in the

69

00:03:27,850 --> 00:03:23,959

news on the radio with their predictions

70

00:03:29,650 --> 00:03:27,860

for the following year but what we've

71

00:03:32,140 --> 00:03:29,660

discovered over many years of following

72

00:03:34,180 --> 00:03:32,150

this is there never brought back at the

73

00:03:39,520 --> 00:03:34,190

end of the year to be held to account

74

00:03:44,610 --> 00:03:39,530

and by our calculations reckonings yeah

75

00:03:49,500 --> 00:03:44,620

they're about ninety-five percent wrong

76

00:03:52,900 --> 00:03:49,510

it's pathetic it's cheap entertainment

77

00:03:55,420 --> 00:03:52,910

did I say it was pathetic anyway press

78

00:03:58,449 --> 00:03:55,430

release with Joe alabaster coming up to

79

00:04:01,000 --> 00:03:58,459

round off the show but before we get

80

00:04:03,789 --> 00:04:01,010

started this news has just come to my

81

00:04:05,970 --> 00:04:03,799

attention the spawning desire do an

82

00:04:08,530 --> 00:04:05,980

early record for the skeptic zone

83

00:04:13,000 --> 00:04:08,540

anti-vaccination supporters holding

84

00:04:15,759 --> 00:04:13,010

chicken pox parties unbelievable this

85

00:04:20,080 --> 00:04:15,769

story comes from Rose Brennan the

86

00:04:23,469 --> 00:04:20,090

courier-mail has reported at WWE com I

87

00:04:25,719 --> 00:04:23,479

you Queensland anti-vaxxers are offering

88

00:04:29,500 --> 00:04:25,729

to infect other children with chicken

89

00:04:31,900 --> 00:04:29,510

pox a highly contagious disease look

90

00:04:35,110 --> 00:04:31,910

I'll slip in a link to this story in the

91

00:04:38,800 --> 00:04:35,120

show notes but that's that's quite

92

00:04:41,680 --> 00:04:38,810

worrying and the woman involved one

93

00:04:44,350 --> 00:04:41,690

Holly singleton appears not to be

94

00:04:47,790 --> 00:04:44,360

concerned that chicken pox can be a

95

00:04:51,930 --> 00:04:47,800

fatal disease in a secret forum called

96

00:04:55,320 --> 00:04:51,940

Maxine free Australia she posted my son

97

00:04:57,659 --> 00:04:55,330

has a full case of chickenpox we are at

98

00:04:59,790 --> 00:04:57,669

home together for the week if anyone

99

00:05:02,159 --> 00:04:59,800

wants to clear this bug now and get it

100

00:05:05,070 --> 00:05:02,169

over with please come to Brisbane to

101
00:05:09,540 --> 00:05:05,080
visit us we are here to infect only

102
00:05:13,710 --> 00:05:09,550
those who want it with a little colon

103
00:05:17,279 --> 00:05:13,720
and P sign either the face with the

104
00:05:20,249 --> 00:05:17,289
tongue sticking up just appalling and I

105
00:05:23,040 --> 00:05:20,259
guess it shows that the anti-vaxxers are

106
00:05:26,939 --> 00:05:23,050
still having an effect and here's the

107
00:05:35,580 --> 00:05:26,949
hint people don't take kids to chicken

108
00:05:37,469 --> 00:05:35,590
pox parties just you know don't but now

109
00:05:40,439 --> 00:05:37,479
it's time for me to run downstairs and

110
00:05:43,140 --> 00:05:40,449
have a couple of slices of good old

111
00:05:45,450 --> 00:05:43,150
peanut butter toast crunchy of course of

112
00:06:09,070 --> 00:05:45,460
course well I'm doing that I hope you

113
00:06:15,679 --> 00:06:12,320

now folks do you wish that you had ESP

114

00:06:17,719 --> 00:06:15,689

I've always wanted to have ESP I don't

115

00:06:19,610 --> 00:06:17,729

think I can ever cover ESP but I can

116

00:06:22,730 --> 00:06:19,620

have the next best thing it's a new

117

00:06:25,159 --> 00:06:22,740

podcast relatively new podcast called

118

00:06:27,890 --> 00:06:25,169

ESP is it about the psychic is it about

119

00:06:30,469 --> 00:06:27,900

mystics and clairvoyants or is it about

120

00:06:32,719 --> 00:06:30,479

something more down to earth on the line

121

00:06:34,459 --> 00:06:32,729

now covering some countries across

122

00:06:37,279 --> 00:06:34,469

Europe I have some people involved with

123

00:06:39,740 --> 00:06:37,289

ESP let's find out some more as we

124

00:06:41,899 --> 00:06:39,750

discover this new podcast from Europe

125

00:06:44,869 --> 00:06:41,909

who have we got on the line and where

126
00:06:48,649 --> 00:06:44,879
you from we can start with that Sweden I

127
00:06:50,360 --> 00:06:48,659
think hello I'm pontus Berkman I am vice

128
00:06:53,869 --> 00:06:50,370
president of the Swedish skeptics

129
00:06:55,610 --> 00:06:53,879
society I am well active in the

130
00:06:58,129 --> 00:06:55,620
skeptical movement since four or five

131
00:07:01,550 --> 00:06:58,139
years back and now we're involved in

132
00:07:03,050 --> 00:07:01,560
this ESP project that's great and your

133
00:07:05,390 --> 00:07:03,060
voice of course as well known to the

134
00:07:08,480 --> 00:07:05,400
skeptic zone as is our next guest

135
00:07:10,159 --> 00:07:08,490
undress from your in Brighton at the

136
00:07:13,040 --> 00:07:10,169
moment when you're normally from hungry

137
00:07:15,559 --> 00:07:13,050
yes that's that's correct and yeah

138
00:07:19,240 --> 00:07:15,569

thanks to you this is my second time on

139

00:07:22,279 --> 00:07:19,250

the show and I really appreciate that

140

00:07:24,379 --> 00:07:22,289

yes i'm originally from hungary i'm the

141

00:07:26,450 --> 00:07:24,389

vice president one of the vice president

142

00:07:30,679 --> 00:07:26,460

of the hungarian skeptics society and

143

00:07:35,389 --> 00:07:30,689

i've been a skeptic for almost 20 years

144

00:07:40,429 --> 00:07:35,399

now which sounds crazy given the fact

145

00:07:46,339 --> 00:07:40,439

that i'm only turning 34 very soon but

146

00:07:48,290 --> 00:07:46,349

this so um yeah and yeah i've been iming

147

00:07:52,399 --> 00:07:48,300

running skeptics in the pub been in

148

00:07:56,719 --> 00:07:52,409

Hungary and given talks there and got

149

00:08:00,559 --> 00:07:56,729

involved in 2014 in the guerrilla

150

00:08:03,649 --> 00:08:00,569

skepticism on Wikipedia project that is

151
00:08:06,050 --> 00:08:03,659
an international thing and that's how we

152
00:08:07,850 --> 00:08:06,060
got to know each other with with with

153
00:08:09,650 --> 00:08:07,860
the guys we're running the show with

154
00:08:11,510 --> 00:08:09,660
that's fantastic

155
00:08:13,550 --> 00:08:11,520
because our last guest is also in the UK

156
00:08:15,980 --> 00:08:13,560
at the moment and I don't think I've had

157
00:08:20,860 --> 00:08:15,990
the pleasure of meeting you it's Yolanda

158
00:08:24,320 --> 00:08:20,870
hello oh hi yes hi Richard um I am

159
00:08:27,920 --> 00:08:24,330
finding you to the movement I've also

160
00:08:32,360 --> 00:08:27,930
been well I'm listening to a lot of

161
00:08:34,659 --> 00:08:32,370
podcasts and I remember listening to you

162
00:08:37,190 --> 00:08:34,669
the skeptics guide to the universe where

163
00:08:39,200 --> 00:08:37,200

susan goreck was on and she was talking

164

00:08:41,800 --> 00:08:39,210

about the guerrilla skepticism wikipedia

165

00:08:46,040 --> 00:08:41,810

so I've joined and that's how I met

166

00:08:47,600 --> 00:08:46,050

Andrew sh um and we kind of been to a

167

00:08:51,470 --> 00:08:47,610

few things together a few conferences

168

00:08:54,220 --> 00:08:51,480

and recently Andrew shed came up with

169

00:08:59,390 --> 00:08:54,230

his brilliant idea to start a podcast so

170

00:09:01,340 --> 00:08:59,400

yeah sort of finding my feet so he kept

171

00:09:03,380 --> 00:09:01,350

is his movement even though you're in

172

00:09:07,820 --> 00:09:03,390

London at the moment where he originally

173

00:09:11,240 --> 00:09:07,830

from I'm originally from Latvia that's

174

00:09:16,340 --> 00:09:11,250

it Baltics Baltic States I'd say the

175

00:09:19,970 --> 00:09:16,350

ex-soviet Union sort of country and yeah

176

00:09:21,770 --> 00:09:19,980

opposite Sweden purpose how I respect

177

00:09:23,300 --> 00:09:21,780

that's a good player that's a good way

178

00:09:25,220 --> 00:09:23,310

for people to know where let fear is I'm

179

00:09:27,680 --> 00:09:25,230

delighted to say that one of the members

180

00:09:31,910 --> 00:09:27,690

of the Australian skeptics here in

181

00:09:34,040 --> 00:09:31,920

Sydney is as a person from a Latvian her

182

00:09:35,180 --> 00:09:34,050

name is cigna cane although she's about

183

00:09:38,420 --> 00:09:35,190

to get married she's going to be called

184

00:09:39,680 --> 00:09:38,430

cigna dean and cigna you may have heard

185

00:09:42,800 --> 00:09:39,690

of her but she does some good work here

186

00:09:46,250 --> 00:09:42,810

in Australia so let phien skeptics have

187

00:09:48,080 --> 00:09:46,260

a good reputation mmm great not bad for

188

00:09:50,900 --> 00:09:48,090

a small country like that like Latvia

189

00:09:52,820 --> 00:09:50,910

I'm glad together not bad at all well

190

00:09:57,500 --> 00:09:52,830

let me start with you undress for about

191

00:09:59,000 --> 00:09:57,510

the why this new podcast has started can

192

00:10:00,650 --> 00:09:59,010

you tell me a little bit about it and

193

00:10:03,080 --> 00:10:00,660

how you go about putting it together

194

00:10:08,150 --> 00:10:03,090

since it seems to be a big collaborative

195

00:10:10,210 --> 00:10:08,160

affair over Europe yeah well I've been

196

00:10:15,530 --> 00:10:10,220

meaning to to start a podcast of my own

197

00:10:17,810 --> 00:10:15,540

for years by now and originally I had

198

00:10:20,480 --> 00:10:17,820

the idea of starting one in Hungarian

199

00:10:22,910 --> 00:10:20,490

but turns out there that in Hungary

200

00:10:25,220 --> 00:10:22,920

podcasting is not a bit big thing

201

00:10:27,379 --> 00:10:25,230

well I have to say it's not a thing at

202

00:10:29,949 --> 00:10:27,389

all so people people don't even know

203

00:10:33,889 --> 00:10:29,959

most of the people what podcasting is

204

00:10:40,310 --> 00:10:33,899

but and of course I I heard the talk

205

00:10:43,069 --> 00:10:40,320

given by by Tim Foley who told us not to

206

00:10:47,030 --> 00:10:43,079

start another podcast in English another

207

00:10:50,780 --> 00:10:47,040

vlog and that don't do that and yeah I I

208

00:10:55,819 --> 00:10:50,790

took it hard but then then I realized

209

00:10:59,470 --> 00:10:55,829

that what we really lack is is a kind of

210

00:11:03,259 --> 00:10:59,480

a European perspective on skepticism and

211

00:11:07,280 --> 00:11:03,269

you Richard have done a lot to tackle

212

00:11:10,910 --> 00:11:07,290

that problem and I have to tell you that

213

00:11:14,300 --> 00:11:10,920

that we listeners of the the skeptic

214

00:11:16,879 --> 00:11:14,310

zone appreciate that a lot because

215

00:11:19,960 --> 00:11:16,889

because you need something to cover

216

00:11:23,090 --> 00:11:19,970

events and happenings and and and

217

00:11:25,970 --> 00:11:23,100

developments in European countries as

218

00:11:28,850 --> 00:11:25,980

well but of course you have a different

219

00:11:30,620 --> 00:11:28,860

focus on your show originally so you can

220

00:11:33,920 --> 00:11:30,630

you can dedicate a segment of the show

221

00:11:37,280 --> 00:11:33,930

to to this outlook but but but not

222

00:11:41,480 --> 00:11:37,290

really a whole show and then I realized

223

00:11:45,470 --> 00:11:41,490

that when you look around the the circle

224

00:11:48,380 --> 00:11:45,480

of skeptical podcasting we don't see

225

00:11:52,759 --> 00:11:48,390

anything that is dedicated particularly

226

00:11:56,180 --> 00:11:52,769

to European level skepticism and this is

227

00:11:58,579 --> 00:11:56,190

how the idea turned my idea of doing a

228

00:12:01,490 --> 00:11:58,589

Hungarian one turned into doing an

229

00:12:04,550 --> 00:12:01,500

international one and of course the

230

00:12:08,360 --> 00:12:04,560

problem was that whom to do it with

231

00:12:13,009 --> 00:12:08,370

because the people i knew were very much

232

00:12:15,410 --> 00:12:13,019

into podcasting and our experience in

233

00:12:19,129 --> 00:12:15,420

the field they have already been doing

234

00:12:22,730 --> 00:12:19,139

it thankfully i met in 2014 it was in at

235

00:12:26,230 --> 00:12:22,740

QED in Manchester where I met Yelena and

236

00:12:29,329 --> 00:12:26,240

also pontus both of them I met thanks to

237

00:12:32,030 --> 00:12:29,339

susan jariabek through guerrilla

238

00:12:34,550 --> 00:12:32,040

skepticism Wikipedia yeah and we got on

239

00:12:36,809 --> 00:12:34,560

pretty well right from the start with

240

00:12:39,359 --> 00:12:36,819

with both of them and this was a great

241

00:12:42,169 --> 00:12:39,369

opportunity for us to to to get to know

242

00:12:44,549 --> 00:12:42,179

each other a bit more and then at

243

00:12:47,779 --> 00:12:44,559

skeptics Congress the European skeptics

244

00:12:50,759 --> 00:12:47,789

Congress in London this September I

245

00:12:55,139 --> 00:12:50,769

brought up the idea to them they didn't

246

00:12:57,659 --> 00:12:55,149

oppose so he really was a great idea

247

00:13:00,029 --> 00:12:57,669

because I had I had thought about you

248

00:13:02,249 --> 00:13:00,039

know played through our idea for some

249

00:13:04,379 --> 00:13:02,259

time that I would like to do something I

250

00:13:06,239 --> 00:13:04,389

was thinking a smaller scale maybe I

251
00:13:08,400 --> 00:13:06,249
should do something about what's

252
00:13:11,069 --> 00:13:08,410
happening in Sweden but in English so

253
00:13:13,919 --> 00:13:11,079
that others could follow that it didn't

254
00:13:15,749 --> 00:13:13,929
happen and it was just an idea but this

255
00:13:17,969 --> 00:13:15,759
is a much better idea I think I think

256
00:13:20,519 --> 00:13:17,979
you're absolutely right because it would

257
00:13:22,919 --> 00:13:20,529
be wonderful to do stuff in the native

258
00:13:24,809 --> 00:13:22,929
language where you are on and to talk to

259
00:13:26,219 --> 00:13:24,819
people in your own your own language

260
00:13:27,599 --> 00:13:26,229
it's always better of course you can

261
00:13:30,829 --> 00:13:27,609
always gather your thoughts better in

262
00:13:34,949 --> 00:13:30,839
that way but i think that the certainly

263
00:13:36,869 --> 00:13:34,959

english is such a such a widely spoken

264

00:13:38,819 --> 00:13:36,879

language and if you want to reach the

265

00:13:40,679 --> 00:13:38,829

most people reach the most people of

266

00:13:42,449 --> 00:13:40,689

course it's it's sort of obvious in a

267

00:13:44,009 --> 00:13:42,459

way I guess it shouldn't stop you doing

268

00:13:45,899 --> 00:13:44,019

other things in your own language for

269

00:13:47,849 --> 00:13:45,909

for other reasons but I think it's a

270

00:13:51,479 --> 00:13:47,859

very good idea to have this sort of

271

00:13:53,129 --> 00:13:51,489

international approach to things what do

272

00:13:55,229 --> 00:13:53,139

you think you learn about that yeah no

273

00:13:58,710 --> 00:13:55,239

definitely I mean I thought it was an

274

00:14:02,159 --> 00:13:58,720

amazing opportunity to get out there and

275

00:14:05,340 --> 00:14:02,169

you know leave my mark and I was very

276

00:14:07,769 --> 00:14:05,350

excited when when under proposed the

277

00:14:11,009 --> 00:14:07,779

idea I mean there's so many great

278

00:14:15,299 --> 00:14:11,019

podcasts that we all listened to and

279

00:14:17,309 --> 00:14:15,309

aspire to be like definitely and

280

00:14:19,379 --> 00:14:17,319

unfortunately you know like like Bob

281

00:14:22,259 --> 00:14:19,389

said we couldn't do it in our native

282

00:14:24,239 --> 00:14:22,269

languages because of the body of the

283

00:14:28,769 --> 00:14:24,249

obvious reason you have to know at least

284

00:14:32,009 --> 00:14:28,779

20 different languages but English is so

285

00:14:35,219 --> 00:14:32,019

international I mean no it's you know

286

00:14:37,829 --> 00:14:35,229

it's one of those things especially the

287

00:14:41,069 --> 00:14:37,839

younger generation I certainly can talk

288

00:14:43,619 --> 00:14:41,079

for full Latvian Russian whatever the

289

00:14:46,439 --> 00:14:43,629

guy all the people are sort of you my

290

00:14:48,689 --> 00:14:46,449

age and younger speak English and it was

291

00:14:49,340 --> 00:14:48,699

a safe thing to do is to start the

292

00:14:52,600 --> 00:14:49,350

podcast

293

00:14:55,070 --> 00:14:52,610

to reach as many people as possible

294

00:14:57,140 --> 00:14:55,080

absolutely right absolutely right and I

295

00:14:59,630 --> 00:14:57,150

guess I'm lucky that English is my

296

00:15:01,400 --> 00:14:59,640

native language so I've sort of it's

297

00:15:03,890 --> 00:15:01,410

easy for me to certainly digest

298

00:15:07,280 --> 00:15:03,900

information in that respect but also I

299

00:15:09,220 --> 00:15:07,290

think because you're choosing to do

300

00:15:11,630 --> 00:15:09,230

this in English you have the huge

301
00:15:13,070 --> 00:15:11,640
potential audience of North America

302
00:15:14,990 --> 00:15:13,080
which is always in the back of my mind

303
00:15:18,380 --> 00:15:15,000
and hello everybody listening in North

304
00:15:21,020 --> 00:15:18,390
America and Canada who make up a huge

305
00:15:23,510 --> 00:15:21,030
percentage of my audience and it's good

306
00:15:26,690 --> 00:15:23,520
to get your message out to to anywhere

307
00:15:29,140 --> 00:15:26,700
in the world really yes and it is really

308
00:15:32,090 --> 00:15:29,150
happening because we are trying to

309
00:15:34,190 --> 00:15:32,100
attract listeners geographically of

310
00:15:36,800 --> 00:15:34,200
course and it turns out that the most of

311
00:15:40,910 --> 00:15:36,810
the listeners are in the United States

312
00:15:43,570 --> 00:15:40,920
and and that is part of a viral so to

313
00:15:47,450 --> 00:15:43,580

say mission to give an idea because um

314

00:15:49,520 --> 00:15:47,460

we experience that quite often that in

315

00:15:53,390 --> 00:15:49,530

north america in the united states and

316

00:15:56,570 --> 00:15:53,400

also in canada they sometimes don't even

317

00:15:59,300 --> 00:15:56,580

realize that there is a huge continent

318

00:16:01,460 --> 00:15:59,310

called Europe where there are lots and

319

00:16:03,770 --> 00:16:01,470

lots of countries yeah with lots and

320

00:16:07,390 --> 00:16:03,780

lots of skeptical organizations doing

321

00:16:10,750 --> 00:16:07,400

their own stuff in their own language

322

00:16:13,040 --> 00:16:10,760

but also I think it in Europe we are

323

00:16:15,230 --> 00:16:13,050

some of the countries in Europe love are

324

00:16:17,270 --> 00:16:15,240

fairly small so we are sitting fairly

325

00:16:19,040 --> 00:16:17,280

close to each other but we don't know

326

00:16:21,560 --> 00:16:19,050

what's going on on the other side of the

327

00:16:23,750 --> 00:16:21,570

border because you know that the Finnish

328

00:16:25,520 --> 00:16:23,760

guys they do things in Finnish and in

329

00:16:28,430 --> 00:16:25,530

France they do things in France and in

330

00:16:30,350 --> 00:16:28,440

French and you don't understand each

331

00:16:33,770 --> 00:16:30,360

other so you don't know and I think

332

00:16:35,930 --> 00:16:33,780

that's what we found when we went to the

333

00:16:37,940 --> 00:16:35,940

QED and met a lot of international

334

00:16:41,000 --> 00:16:37,950

people and at the European skeptics

335

00:16:43,040 --> 00:16:41,010

Congress we met people from checkya from

336

00:16:45,200 --> 00:16:43,050

Portugal and say they're doing the same

337

00:16:47,000 --> 00:16:45,210

thing as we are doing but we don't

338

00:16:48,590 --> 00:16:47,010

collaborate we don't know about each

339

00:16:50,720 --> 00:16:48,600

other yeah and then but don't do

340

00:16:53,350 --> 00:16:50,730

something about that and we don't share

341

00:16:56,840 --> 00:16:53,360

the experience like for example with the

342

00:17:00,620 --> 00:16:56,850

UK we've got quite a few very active

343

00:17:01,910 --> 00:17:00,630

groups let's say people who oppose

344

00:17:06,710 --> 00:17:01,920

homeopathy and they

345

00:17:09,380 --> 00:17:06,720

Ashley doing stuff on the level or where

346

00:17:11,600 --> 00:17:09,390

they tried to change legislation and

347

00:17:13,429 --> 00:17:11,610

trying to change the laws and trying to

348

00:17:15,770 --> 00:17:13,439

change the all this kind of thing

349

00:17:18,079 --> 00:17:15,780

actually homeopathy is the problem

350

00:17:20,150 --> 00:17:18,089

across the board you know across all the

351
00:17:23,030 --> 00:17:20,160
European countries and you know other

352
00:17:25,520 --> 00:17:23,040
continents Australia and America and

353
00:17:28,130 --> 00:17:25,530
it'd be great to share that expertise

354
00:17:29,630 --> 00:17:28,140
and but people not aware because they

355
00:17:32,720 --> 00:17:29,640
don't know that you know the good

356
00:17:36,230 --> 00:17:32,730
thinking society is involved in a battle

357
00:17:39,260 --> 00:17:36,240
against homeopathy it on and on the

358
00:17:42,470 --> 00:17:39,270
national health service etc so it's

359
00:17:44,659 --> 00:17:42,480
absolutely crucial that we you know pull

360
00:17:46,730 --> 00:17:44,669
yourself together I mean I know that

361
00:17:49,070 --> 00:17:46,740
pond decided to hit out so I understand

362
00:17:51,799 --> 00:17:49,080
it's a huge part you know but Europe is

363
00:17:58,460 --> 00:17:51,809

quite smoke and compared to America you

364

00:18:05,600 --> 00:17:58,470

know what I'm sorry to say anywhere up

365

00:18:07,520 --> 00:18:05,610

to the same size as America but even

366

00:18:09,200 --> 00:18:07,530

even everybody when you are we talking

367

00:18:11,720 --> 00:18:09,210

about the United States to believe them

368

00:18:13,580 --> 00:18:11,730

even larger than that and has more

369

00:18:16,580 --> 00:18:13,590

inhabitants as well well you should I

370

00:18:18,289 --> 00:18:16,590

bet you there are 77 so you should come

371

00:18:20,030 --> 00:18:18,299

to Australia next time come to Australia

372

00:18:22,310 --> 00:18:20,040

we're we're quite a big continent to you

373

00:18:26,169 --> 00:18:22,320

know not many people yeah I know I've

374

00:18:29,419 --> 00:18:26,179

been to Australia uh-huh so high yeah

375

00:18:31,370 --> 00:18:29,429

yeah we'd love to go back and see how

376

00:18:33,860 --> 00:18:31,380

can people help where can they go and

377

00:18:36,140 --> 00:18:33,870

what's the format of the show and how

378

00:18:38,780 --> 00:18:36,150

often do you hope it might come out

379

00:18:41,659 --> 00:18:38,790

maybe pontus you can cover that so the

380

00:18:45,710 --> 00:18:41,669

show is a biweekly show and we want to

381

00:18:48,470 --> 00:18:45,720

cover news of skepticism and scientific

382

00:18:52,370 --> 00:18:48,480

news from across Europe but we do rely

383

00:18:56,330 --> 00:18:52,380

or on listeners telling us about things

384

00:18:59,090 --> 00:18:56,340

going on conferences or or scientific

385

00:19:01,280 --> 00:18:59,100

news as skeptic activism in the other

386

00:19:04,700 --> 00:19:01,290

countries right if you want to get in

387

00:19:10,940 --> 00:19:04,710

touch then please write to us our email

388

00:19:14,370 --> 00:19:10,950

address is info at the ESP dot EU or you

389

00:19:17,430 --> 00:19:14,380

can visit our website which is the e

390

00:19:20,280 --> 00:19:17,440

the EU or you can find us on Facebook

391

00:19:22,440 --> 00:19:20,290

there is a group called the European

392

00:19:26,100 --> 00:19:22,450

skeptics podcast I think the only one on

393

00:19:29,820 --> 00:19:26,110

facebook come and join our movement or I

394

00:19:33,240 --> 00:19:29,830

are also available on twitter follow us

395

00:19:36,540 --> 00:19:33,250

on Twitter as well and what we have on

396

00:19:38,490 --> 00:19:36,550

Facebook is a Facebook page where you

397

00:19:42,210 --> 00:19:38,500

can you can like us you can find us you

398

00:19:44,310 --> 00:19:42,220

can sign up for them podcast as well so

399

00:19:49,110 --> 00:19:44,320

yes folks the information there the

400

00:19:53,880 --> 00:19:49,120

contact information is info INF 0 at th

401
00:19:58,890 --> 00:19:53,890
e es PE you the ESP or just head for

402
00:20:01,050 --> 00:19:58,900
their website which is the th e es p dot

403
00:20:04,080 --> 00:20:01,060
EU I think that's great that your web

404
00:20:07,080 --> 00:20:04,090
your your website and your podcast has

405
00:20:12,450 --> 00:20:07,090
got the term ESP in the title I'm really

406
00:20:14,580 --> 00:20:12,460
happy about yeah yeah we are too it was

407
00:20:17,340 --> 00:20:14,590
a universal we were very happy about

408
00:20:19,710 --> 00:20:17,350
that it think it's it's a bit fun I

409
00:20:22,350 --> 00:20:19,720
think I think it's very nice picture bun

410
00:20:24,360 --> 00:20:22,360
Josh it's not my job it's a keen

411
00:20:29,190 --> 00:20:24,370
Siddhant it comes from the the actual

412
00:20:30,840 --> 00:20:29,200
name it makes me want to rename my show

413
00:20:35,520 --> 00:20:30,850

to the clairvoyant hour or something I

414

00:20:37,890 --> 00:20:35,530

don't know find good luck with that well

415

00:20:40,980 --> 00:20:37,900

it was fantastic to talk with you all

416

00:20:43,290 --> 00:20:40,990

spread sort of halfway across Europe as

417

00:20:45,240 --> 00:20:43,300

you are congratulations on getting this

418

00:20:46,890 --> 00:20:45,250

going i look forward to hearing more

419

00:20:48,900 --> 00:20:46,900

episodes come out soon there you are

420

00:20:50,820 --> 00:20:48,910

folks if you want to hear a new episode

421

00:20:54,360 --> 00:20:50,830

from Europe for the European perspective

422

00:20:57,750 --> 00:20:54,370

in English the ESP i think is the

423

00:20:59,670 --> 00:20:57,760

podcast for you well pontus and y alana

424

00:21:02,370 --> 00:20:59,680

and undress all the way from Europe

425

00:21:12,080 --> 00:21:02,380

thank you very much thank you thank you

426
00:21:12,090 --> 00:21:16,210
it sold

427
00:21:24,660 --> 00:21:19,710
we exist you have

428
00:21:31,750 --> 00:21:28,990
hi are you a skeptic living somewhere in

429
00:21:33,850 --> 00:21:31,760
Europe or simply interested in what like

430
00:21:36,450 --> 00:21:33,860
minded people are up to in countries

431
00:21:39,430 --> 00:21:36,460
around here I have good news for you

432
00:21:41,710 --> 00:21:39,440
there is a new podcast out there with

433
00:21:46,870 --> 00:21:41,720
the aim of helping you connect with all

434
00:21:50,530 --> 00:21:46,880
those European skeptics the ESP European

435
00:21:52,480 --> 00:21:50,540
skeptics podcast a biweekly show coming

436
00:21:56,650 --> 00:21:52,490
out on the 18th of November on

437
00:22:00,190 --> 00:21:56,660
soundcloud iTunes and stitcher come and

438
00:22:03,070 --> 00:22:00,200

visit our website the ESP you follow us

439

00:22:05,350 --> 00:22:03,080

on Facebook and Twitter and help us keep

440

00:22:09,940 --> 00:22:05,360

the project Jen Lindley international

441

00:22:19,480 --> 00:22:09,950

and interactive let us provide you with

442

00:22:37,039 --> 00:22:34,690

I don't know why you can't believe as

443

00:22:42,230 --> 00:22:37,049

published on the Australian skeptics

444

00:22:46,460 --> 00:22:42,240

website wapt.com today you December 11

445

00:22:49,430 --> 00:22:46,470

2015 chicken pox outbreak at tolerant

446

00:22:50,930 --> 00:22:49,440

Victorian school as many as twenty five

447

00:22:52,789 --> 00:22:50,940

percent of the children who attend a

448

00:22:55,549 --> 00:22:52,799

brunswick school that calls for

449

00:22:58,100 --> 00:22:55,559

tolerance for vaccine dodgers have

450

00:23:01,129 --> 00:22:58,110

contracted chicken pox according to a

451
00:23:04,820 --> 00:23:01,139
story in the Age newspaper at least 80

452
00:23:07,460 --> 00:23:04,830
of the 320 pupils at Brunswick Northwest

453
00:23:10,070 --> 00:23:07,470
primary in Melbourne North have become

454
00:23:12,590 --> 00:23:10,080
ill with the disease in the past

455
00:23:14,989 --> 00:23:12,600
fortnight it is understood the illness

456
00:23:17,149 --> 00:23:14,999
spread through grade six before making

457
00:23:20,239 --> 00:23:17,159
its way to the lower levels to grade to

458
00:23:22,009 --> 00:23:20,249
the report says in the May edition of

459
00:23:25,369 --> 00:23:22,019
the school's newsletter the principal

460
00:23:27,730 --> 00:23:25,379
Trevor Bowen said that 73.2 percent of

461
00:23:31,369 --> 00:23:27,740
students were immunized compared with

462
00:23:33,289 --> 00:23:31,379
92% within the local postcode the

463
00:23:35,480 --> 00:23:33,299

Department of Health was first notified

464

00:23:38,239 --> 00:23:35,490

about the chicken pox cases on November

465

00:23:41,090 --> 00:23:38,249

the 26th a Department spokesman told at

466

00:23:43,039 --> 00:23:41,100

the age that quote there are no phone

467

00:23:45,230 --> 00:23:43,049

figures on the number of students who

468

00:23:47,690 --> 00:23:45,240

have contracted the illness since then

469

00:23:50,210 --> 00:23:47,700

but we've been advised that over the

470

00:23:52,480 --> 00:23:50,220

period there's been an absence rate of

471

00:23:56,060 --> 00:23:52,490

twenty five percent on any given day

472

00:23:58,489 --> 00:23:56,070

unquote the school says it respects

473

00:24:00,940 --> 00:23:58,499

quote the rights of every family to make

474

00:24:04,070 --> 00:24:00,950

choices about immunization in quote

475

00:24:06,350 --> 00:24:04,080

currently no school in Victoria can bar

476
00:24:09,499 --> 00:24:06,360
a child who is not vaccinated from

477
00:24:12,649 --> 00:24:09,509
enrolling the States government's no job

478
00:24:15,409 --> 00:24:12,659
nope play laws come into effect on

479
00:24:17,210 --> 00:24:15,419
january first next year but they do not

480
00:24:20,749 --> 00:24:17,220
apply to primary or high schools under

481
00:24:22,820 --> 00:24:20,759
the policy preschoolers who are not

482
00:24:25,460 --> 00:24:22,830
vaccinated will be banned from attending

483
00:24:27,740 --> 00:24:25,470
childcare or kindergarten a previous

484
00:24:29,750 --> 00:24:27,750
newsletter aiming to take the heat

485
00:24:32,120 --> 00:24:29,760
out of the conflict said that there were

486
00:24:34,270 --> 00:24:32,130
many areas of school life where a range

487
00:24:36,320 --> 00:24:34,280
of opinions were accommodated

488
00:24:38,840 --> 00:24:36,330

vaccination rates across the state of

489

00:24:40,910 --> 00:24:38,850

Victoria have plateaued at about ninety

490

00:24:43,100 --> 00:24:40,920

percent for a number of years something

491

00:24:46,190 --> 00:24:43,110

Health Minister Jill Hennessy wants to

492

00:24:49,430 --> 00:24:46,200

address quote were significantly

493

00:24:51,560 --> 00:24:49,440

concerned about the mythmakers who go

494

00:24:53,510 --> 00:24:51,570

out encouraging people not to immunize

495

00:24:56,720 --> 00:24:53,520

their children end quote she told the

496

00:24:59,570 --> 00:24:56,730

age quote get advice from your doctor

497

00:25:02,150 --> 00:24:59,580

not from some quack there is opposed to

498

00:25:18,020 --> 00:25:02,160

vaccination based on dodgy science and

499

00:25:20,420 --> 00:25:18,030

quote welcome to a week in science from

500

00:25:24,020 --> 00:25:20,430

our Isles bringing you the science you

501
00:25:26,290 --> 00:25:24,030
need to know 2015 has been another big

502
00:25:28,160 --> 00:25:26,300
year for science here are our top five

503
00:25:30,950 --> 00:25:28,170
discoveries for the year and

504
00:25:41,390 --> 00:25:30,960
unsurprisingly one topic does tend to

505
00:25:43,550 --> 00:25:41,400
dominate at number five we have what is

506
00:25:45,680 --> 00:25:43,560
also the most controversial scientific

507
00:25:48,560 --> 00:25:45,690
achievement of the year the first

508
00:25:51,020 --> 00:25:48,570
genetically modified human embryo

509
00:25:53,960 --> 00:25:51,030
Chinese researchers reported that they

510
00:25:56,810 --> 00:25:53,970
had altered mutant DNA that causes the

511
00:26:00,200 --> 00:25:56,820
rare life-threatening human disease beta

512
00:26:02,720 --> 00:26:00,210
thalassemia the embryos used were non

513
00:26:05,180 --> 00:26:02,730

viable but the researchers reported

514

00:26:09,980 --> 00:26:05,190

other sections of DNA which had been

515

00:26:13,160 --> 00:26:09,990

unpredictably altered as well if we're

516

00:26:15,590 --> 00:26:13,170

going to explore and colonize space then

517

00:26:17,540 --> 00:26:15,600

food supply is a major question and

518

00:26:21,230 --> 00:26:17,550

that's what makes number four so

519

00:26:24,140 --> 00:26:21,240

exciting the first food grown and eaten

520

00:26:26,300 --> 00:26:24,150

in space lettuce was grown and

521

00:26:28,940 --> 00:26:26,310

subsequently eaten on the International

522

00:26:30,860 --> 00:26:28,950

Space Station for the first time this

523

00:26:33,440 --> 00:26:30,870

development has overcome the challenges

524

00:26:35,180 --> 00:26:33,450

of growing plants in microgravity with

525

00:26:39,800 --> 00:26:35,190

limited water and are

526

00:26:42,920 --> 00:26:39,810

official light the Ebola outbreak which

527

00:26:44,660 --> 00:26:42,930

hit the headlines in 2014 brought to

528

00:26:48,200 --> 00:26:44,670

light the problem of treating this and

529

00:26:50,270 --> 00:26:48,210

other epidemics this year however we

530

00:26:52,010 --> 00:26:50,280

took a large step forward with the

531

00:26:54,770 --> 00:26:52,020

development of several candidate

532

00:26:59,810 --> 00:26:54,780

vaccines against Ebola one of those

533

00:27:01,490 --> 00:26:59,820

vaccines called vsv eb OV has been shown

534

00:27:06,530 --> 00:27:01,500

to being one hundred percent effective

535

00:27:08,870 --> 00:27:06,540

in human trials we returned to space for

536

00:27:11,390 --> 00:27:08,880

number two with the NASA New Horizons

537

00:27:13,580 --> 00:27:11,400

mission which has shown us more about

538

00:27:16,610 --> 00:27:13,590

the outer reaches of our solar system

539

00:27:18,290 --> 00:27:16,620

than ever before New Horizons sent back

540

00:27:21,170 --> 00:27:18,300

the most detailed information about

541

00:27:23,600 --> 00:27:21,180

Pluto and its moon and now continues on

542

00:27:26,180 --> 00:27:23,610

to the Kuiper belt at the fringe of our

543

00:27:32,060 --> 00:27:26,190

solar system who knows what is going to

544

00:27:35,480 --> 00:27:32,070

find next an our top story for 2015

545

00:27:38,450 --> 00:27:35,490

water on Mars this game-changing

546

00:27:41,330 --> 00:27:38,460

discovery suggests that water may exist

547

00:27:46,730 --> 00:27:41,340

on Mars right now with evidence of water

548

00:27:49,610 --> 00:27:46,740

recently flowing down slopes that's our

549

00:27:51,800 --> 00:27:49,620

top five stories for 2015 there's more

550

00:27:55,970 --> 00:27:51,810

information on the our oils website RI

551

00:27:59,330 --> 00:27:55,980

au s org dot a you follow us on twitter

552

00:28:01,160 --> 00:27:59,340

at RI oz and like us on facebook i'm

553

00:28:20,750 --> 00:28:01,170

paul willis and we'll catch you next

554

00:28:29,700 --> 00:28:25,950

here's my not spooky action at the

555

00:28:33,880 --> 00:28:31,810

outside the traffic is bustling around

556

00:28:36,399 --> 00:28:33,890

insignias people run around and they go

557

00:28:38,500 --> 00:28:36,409

oh I'm enjoying bit of cool weather but

558

00:28:40,029 --> 00:28:38,510

inside the Crown Hotel where of course

559

00:28:42,250 --> 00:28:40,039

it's skeptics in the pub here for

560

00:28:44,260 --> 00:28:42,260

December a big December is on the card

561

00:28:46,210 --> 00:28:44,270

very well especially for Ross by roger

562

00:28:47,890 --> 00:28:46,220

was visiting us from queensland yes this

563

00:28:49,870 --> 00:28:47,900

is my very first time at a Sydney

564

00:28:51,789 --> 00:28:49,880

skeptics in the pub which is I'm really

565

00:28:53,230 --> 00:28:51,799

pleased to be here actually it's gonna

566

00:28:54,669 --> 00:28:53,240

be a lot of fun I think what's the

567

00:28:56,710 --> 00:28:54,679

reputation of Sydney skeptics in the pub

568

00:28:58,090 --> 00:28:56,720

is that a rough-and-tumble befo kind of

569

00:28:59,950 --> 00:28:58,100

thing you expected to leave you with a

570

00:29:01,659 --> 00:28:59,960

bruise well I think it's a slightly

571

00:29:03,220 --> 00:29:01,669

different vibe to the backpackers that

572

00:29:04,659 --> 00:29:03,230

I've been staying out I put probably put

573

00:29:06,250 --> 00:29:04,669

it that way but um are you know you

574

00:29:08,350 --> 00:29:06,260

really hurt your tailbone there let me

575

00:29:10,000 --> 00:29:08,360

tell you you know I think Sydney

576

00:29:11,529 --> 00:29:10,010

skeptics in the pub is probably one of

577

00:29:13,840 --> 00:29:11,539

the more famous though isn't it because

578

00:29:14,980 --> 00:29:13,850

you know you think about the skeptics in

579

00:29:16,510 --> 00:29:14,990

the pubs in the world that you've heard

580

00:29:17,980 --> 00:29:16,520

of and I think the Liverpool skeptics

581

00:29:20,169 --> 00:29:17,990

are up there of course it gets mentioned

582

00:29:21,730 --> 00:29:20,179

a lot and skeptics with a k of course

583

00:29:24,760 --> 00:29:21,740

the Sydney skeptics in the pub gets a

584

00:29:26,620 --> 00:29:24,770

lot of girls of Michael's twerking probs

585

00:29:28,529 --> 00:29:26,630

over they although the very image of

586

00:29:31,240 --> 00:29:28,539

that just sends shivers through my spine

587

00:29:32,919 --> 00:29:31,250

but of course you know Richard talks

588

00:29:35,110 --> 00:29:32,929

nuoc or through the skeptic zone or

589

00:29:36,970 --> 00:29:35,120

talking about this a lot and I think a

590

00:29:38,590 --> 00:29:36,980

lot of skeptics in this if you know if

591

00:29:40,510 --> 00:29:38,600

they find themselves in this part of the

592

00:29:41,889 --> 00:29:40,520

world for skeptics in the pub they

593

00:29:44,320 --> 00:29:41,899

should definitely come along it's one of

594

00:29:45,639 --> 00:29:44,330

the premier events I think isn't it yeah

595

00:29:47,320 --> 00:29:45,649

and you're here and what are you going

596

00:29:48,700 --> 00:29:47,330

to be talking about to us tonight yes

597

00:29:50,080 --> 00:29:48,710

I've been lucky enough to be able to

598

00:29:52,149 --> 00:29:50,090

talk to you guys today and I'm going to

599

00:29:54,310 --> 00:29:52,159

be talking about emerging viruses so

600

00:29:55,720 --> 00:29:54,320

essentially viruses that have jumped to

601
00:29:57,820 --> 00:29:55,730
animals towards and cause there's all

602
00:29:59,889 --> 00:29:57,830
sorts of Baba and and how that happens

603
00:30:01,960 --> 00:29:59,899
essentially which is a topic close to my

604
00:30:02,830 --> 00:30:01,970
own heart as a virologist myself you

605
00:30:04,659 --> 00:30:02,840
look I'm going to jump in there

606
00:30:07,840 --> 00:30:04,669
immediately as a virologist you're part

607
00:30:10,450 --> 00:30:07,850
of the verala stin the industry complex

608
00:30:13,060 --> 00:30:10,460
are you I suppose if such a thing exists

609
00:30:14,950 --> 00:30:13,070
I would be part of it yes so well are

610
00:30:17,350 --> 00:30:14,960
there any that have been man-made and

611
00:30:18,580 --> 00:30:17,360
released by the military know that

612
00:30:22,240 --> 00:30:18,590
sooner or not happened unfortunately

613
00:30:24,820 --> 00:30:22,250

it's it's every it every sort of episode

614

00:30:26,080 --> 00:30:24,830

of other big TV series or a movie would

615

00:30:28,539 --> 00:30:26,090

love to have you think that this is

616

00:30:30,310 --> 00:30:28,549

possible just a dustin hoffman an

617

00:30:31,510 --> 00:30:30,320

outbreak have you seen a monkey that's a

618

00:30:32,980 --> 00:30:31,520

great show all you need to know is have

619

00:30:34,899 --> 00:30:32,990

using a monkey and you've got our

620

00:30:37,190 --> 00:30:34,909

breakdown look outbreak is a great film

621

00:30:39,379 --> 00:30:37,200

so let's not be to do

622

00:30:41,180 --> 00:30:39,389

yeah let's not disparage outbreak it is

623

00:30:42,830 --> 00:30:41,190

an amazing film but I mean that the

624

00:30:44,330 --> 00:30:42,840

problem is with creating viruses is that

625

00:30:47,389 --> 00:30:44,340

we barely understand the viruses that

626
00:30:49,100 --> 00:30:47,399
exists now without creating our own to

627
00:30:50,720 --> 00:30:49,110
sort of go out and do damage like we've

628
00:30:53,360 --> 00:30:50,730
got things like Ebola which obviously

629
00:30:54,830 --> 00:30:53,370
devastating some flu strains and we

630
00:30:56,629 --> 00:30:54,840
haven't been able to turn those into

631
00:30:58,940 --> 00:30:56,639
weapons let alone create something of

632
00:31:02,180 --> 00:30:58,950
our own it just it seems so unlikely to

633
00:31:04,070 --> 00:31:02,190
me okay and so how do they mutate and

634
00:31:05,509 --> 00:31:04,080
emerge whether this normally go on does

635
00:31:08,419 --> 00:31:05,519
it normally go on and animals that are

636
00:31:10,610 --> 00:31:08,429
close to man like like avian or stuff

637
00:31:12,049 --> 00:31:10,620
with birds and the swine and then it

638
00:31:13,970 --> 00:31:12,059

comes to us said how it works and we

639

00:31:16,009 --> 00:31:13,980

just hang out with them we get it it

640

00:31:18,470 --> 00:31:16,019

gets us yeah pretty much so every

641

00:31:20,539 --> 00:31:18,480

obviously humans we have our own viruses

642

00:31:22,279 --> 00:31:20,549

like measles and polio and they're

643

00:31:24,769 --> 00:31:22,289

really exclusive to us but a lot of

644

00:31:28,039 --> 00:31:24,779

other viruses are normally in and say

645

00:31:29,389 --> 00:31:28,049

bats or birds as you've said pigs and

646

00:31:32,000 --> 00:31:29,399

essentially what's happening is this

647

00:31:33,560 --> 00:31:32,010

human civilization has expanded we've

648

00:31:35,870 --> 00:31:33,570

been encroaching on the species

649

00:31:37,159 --> 00:31:35,880

territory more and more and occasionally

650

00:31:38,990 --> 00:31:37,169

you know that the this the right

651
00:31:41,629 --> 00:31:39,000
mutation happens where the virus will

652
00:31:42,710 --> 00:31:41,639
jump from an animal to human and often

653
00:31:45,230 --> 00:31:42,720
this doesn't cause too much trouble

654
00:31:47,180 --> 00:31:45,240
because viruses don't do so well in

655
00:31:49,129 --> 00:31:47,190
humans if they're made for animals but

656
00:31:50,570 --> 00:31:49,139
just occasionally they do go pretty well

657
00:31:53,629 --> 00:31:50,580
like some of the flu strains that have

658
00:31:55,399 --> 00:31:53,639
been going around but obviously Ebola is

659
00:31:57,049 --> 00:31:55,409
one that comes to mind recently having

660
00:31:59,750 --> 00:31:57,059
killed so many people over in West

661
00:32:02,029 --> 00:31:59,760
Africa but of course other other sort of

662
00:32:04,060 --> 00:32:02,039
zoo no season that that's what we call

663
00:32:05,960 --> 00:32:04,070

viruses that go from animals to humans

664

00:32:07,190 --> 00:32:05,970

they've actually been with us for

665

00:32:09,379 --> 00:32:07,200

thousands of years now so i'll be

666

00:32:11,750 --> 00:32:09,389

talking about dengi today that was

667

00:32:13,879 --> 00:32:11,760

originally a monkey virus but somehow it

668

00:32:16,700 --> 00:32:13,889

jumped into mosquitoes and then from

669

00:32:19,159 --> 00:32:16,710

mosquitoes to us should I fear bet pee

670

00:32:20,779 --> 00:32:19,169

or poo in Australia you know one of the

671

00:32:23,000 --> 00:32:20,789

interesting things is is that bats are

672

00:32:25,250 --> 00:32:23,010

really crappy a transmitting their

673

00:32:27,529 --> 00:32:25,260

viruses to humans however they will your

674

00:32:29,029 --> 00:32:27,539

poo on me and flying over me it's it's

675

00:32:30,950 --> 00:32:29,039

funny there's no real cases I mean

676
00:32:33,080 --> 00:32:30,960
hendra virus is another good one right I

677
00:32:35,269 --> 00:32:33,090
mean there's no cases of bats actually

678
00:32:36,799 --> 00:32:35,279
giving a virus to humans normally the

679
00:32:39,680 --> 00:32:36,809
bats have to give the virus to another

680
00:32:43,100 --> 00:32:39,690
animal maybe it's a horse with MERS its

681
00:32:44,840 --> 00:32:43,110
camels or any other sort of species and

682
00:32:47,119 --> 00:32:44,850
then those species which we have a much

683
00:32:49,340 --> 00:32:47,129
closer proximity to maybe because of

684
00:32:50,840 --> 00:32:49,350
husbandry or something like that then

685
00:32:52,970 --> 00:32:50,850
then they pass the virus

686
00:32:54,740 --> 00:32:52,980
on towards so I'm I mean I've got to me

687
00:32:56,060 --> 00:32:54,750
if I if I woke up with a bat in my

688
00:32:59,000 --> 00:32:56,070

bedroom I would probably get myself

689

00:33:01,520 --> 00:32:59,010

tested because one of the weird things

690

00:33:03,320 --> 00:33:01,530

about Patsy's they can bite you and eww

691

00:33:05,900 --> 00:33:03,330

have those late nights drinking at the

692

00:33:07,880 --> 00:33:05,910

bat club well exactly i mean or if you

693

00:33:09,590 --> 00:33:07,890

come across Batman yeah that's true you

694

00:33:11,900 --> 00:33:09,600

know there's probably I mean I can't

695

00:33:14,210 --> 00:33:11,910

imagine his voice is that husky on by

696

00:33:15,730 --> 00:33:14,220

accident well what a question skeptics

697

00:33:18,440 --> 00:33:15,740

have never been able to answer is a

698

00:33:19,820 --> 00:33:18,450

claudia schiffer and and that guy she

699

00:33:21,440 --> 00:33:19,830

was with bothers the go with that hehe

700

00:33:23,930 --> 00:33:21,450

just ain't that good looking then what

701
00:33:25,610 --> 00:33:23,940
and David get Claudia Schiffer david

702
00:33:28,160 --> 00:33:25,620
copperfield that cannot be explained by

703
00:33:31,160 --> 00:33:28,170
any skeptic well obviously it's magic

704
00:33:32,990 --> 00:33:31,170
yeah and so what are you going to be

705
00:33:35,870 --> 00:33:33,000
pushing to really scare the booty out of

706
00:33:37,640 --> 00:33:35,880
us as we go home virus wise look I'm

707
00:33:38,840 --> 00:33:37,650
going to leave a bit of a mystery to

708
00:33:40,250 --> 00:33:38,850
look to the ones that I'm going to talk

709
00:33:41,720 --> 00:33:40,260
about I guess because I have a bit of a

710
00:33:43,850 --> 00:33:41,730
competition where I have a picture of

711
00:33:46,130 --> 00:33:43,860
the virus and I'm going to see if anyone

712
00:33:48,620 --> 00:33:46,140
can name the virus just on the picture

713
00:33:50,750 --> 00:33:48,630

which I reckon I can figure here I can

714

00:33:53,210 --> 00:33:50,760

pick what are sometimes really well one

715

00:33:54,650 --> 00:33:53,220

well-known ones not Henry the one that

716

00:33:55,550 --> 00:33:54,660

was in people before that is there

717

00:33:58,130 --> 00:33:55,560

because there's one that's got a

718

00:33:59,840 --> 00:33:58,140

specific shape I know it well a lot of

719

00:34:02,390 --> 00:33:59,850

viruses are quite distinctive flu is

720

00:34:04,880 --> 00:34:02,400

quite distinctive so another one and

721

00:34:06,890 --> 00:34:04,890

obviously those are those classic sort

722

00:34:08,450 --> 00:34:06,900

of images of a virus that you gave in

723

00:34:11,150 --> 00:34:08,460

your brain other bacteria fires which

724

00:34:13,310 --> 00:34:11,160

have that kind of POD and then the weird

725

00:34:14,990 --> 00:34:13,320

sort of feet at the bottom and that's

726

00:34:16,730 --> 00:34:15,000

but I won't be talking about those

727

00:34:19,700 --> 00:34:16,740

because they of course in fact bacteria

728

00:34:21,320 --> 00:34:19,710

and not humans okay and do you think we

729

00:34:22,940 --> 00:34:21,330

will ever be able to have there's a

730

00:34:24,770 --> 00:34:22,950

couple of viruses we've got I mean we've

731

00:34:26,420 --> 00:34:24,780

got stuff for herpes I believe that but

732

00:34:28,100 --> 00:34:26,430

I think it slows it down doesn't kill it

733

00:34:30,770 --> 00:34:28,110

we got one that actually is a really

734

00:34:32,960 --> 00:34:30,780

good antiviral so antiviral drugs are

735

00:34:34,310 --> 00:34:32,970

actually not very effective a lot of the

736

00:34:36,680 --> 00:34:34,320

time because by the time you actually

737

00:34:39,620 --> 00:34:36,690

get the drugs you've already got way too

738

00:34:41,210 --> 00:34:39,630

much of the virus so as you say it's

739

00:34:43,640 --> 00:34:41,220

normally symptomatic relief at that

740

00:34:44,900 --> 00:34:43,650

point I actually do think we're coming

741

00:34:46,820 --> 00:34:44,910

towards a time where a lot of these

742

00:34:48,890 --> 00:34:46,830

hard-to-treat viruses will have vaccines

743

00:34:51,230 --> 00:34:48,900

because we're moving away from the

744

00:34:53,210 --> 00:34:51,240

classic idea of a vaccine where you say

745

00:34:55,130 --> 00:34:53,220

take pieces of a virus or you kill the

746

00:34:57,920 --> 00:34:55,140

virus and injected and we're now moving

747

00:35:00,020 --> 00:34:57,930

to things like say DNA vaccines and what

748

00:35:02,630 --> 00:35:00,030

DNA vaccines do is they they basically

749

00:35:04,280 --> 00:35:02,640

produce constantly proteins from the

750

00:35:06,440 --> 00:35:04,290

virus and the immune system

751

00:35:08,060 --> 00:35:06,450

get so much priming that you actually

752

00:35:09,830 --> 00:35:08,070

can completely eliminate a lot of these

753

00:35:11,390 --> 00:35:09,840

viruses but of course the key is always

754

00:35:14,720 --> 00:35:11,400

to not get infected in the first place

755

00:35:16,100 --> 00:35:14,730

or get the vaccine ahead of time so the

756

00:35:17,300 --> 00:35:16,110

hell nervous should I be on the bus

757

00:35:20,600 --> 00:35:17,310

going home and there's a guy at the back

758

00:35:23,330 --> 00:35:20,610

guy look you know the common cold is

759

00:35:24,910 --> 00:35:23,340

pretty nasty to a lot of people so I

760

00:35:28,010 --> 00:35:24,920

wouldn't be too happy about it myself

761

00:35:29,150 --> 00:35:28,020

obviously the the old adage is if you're

762

00:35:31,640 --> 00:35:29,160

sick you should stay at home you know

763

00:35:33,740 --> 00:35:31,650

but people have lives unfortunately and

764

00:35:35,210 --> 00:35:33,750

they have to go to jobs so and the best

765

00:35:37,430 --> 00:35:35,220

you can do is just hope that your immune

766

00:35:39,290 --> 00:35:37,440

systems at its peak at the moment and

767

00:35:41,000 --> 00:35:39,300

now is there any chance we can get

768

00:35:42,410 --> 00:35:41,010

something ever like they have on Star

769

00:35:43,790 --> 00:35:42,420

Trek when they come back from away

770

00:35:45,710 --> 00:35:43,800

missions and stuff and that they get

771

00:35:47,540 --> 00:35:45,720

bathed in a light a bit like ultraviolet

772

00:35:49,010 --> 00:35:47,550

and their and their disinfected would

773

00:35:50,480 --> 00:35:49,020

that be that great in real life because

774

00:35:53,120 --> 00:35:50,490

you'd be killing lots of viruses on your

775

00:35:55,370 --> 00:35:53,130

skin you might want I would say that if

776

00:35:56,990 --> 00:35:55,380

a light like that existed that was

777

00:35:59,390 --> 00:35:57,000

strong enough to kill the viruses inside

778

00:36:00,530 --> 00:35:59,400

your body having a virus would be the

779

00:36:01,910 --> 00:36:00,540

least of your worries after going

780

00:36:03,710 --> 00:36:01,920

through that light it would be pretty

781

00:36:06,800 --> 00:36:03,720

traumatic I think instant skin burn

782

00:36:08,330 --> 00:36:06,810

would be there the phrase digital gross

783

00:36:09,980 --> 00:36:08,340

bisector coming here to skeptics in the

784

00:36:12,110 --> 00:36:09,990

pub and just tell so what are the career

785

00:36:13,970 --> 00:36:12,120

path is a virologist have in Australia I

786

00:36:16,130 --> 00:36:13,980

I imagine you could have a career with

787

00:36:17,390 --> 00:36:16,140

big pharma what else would you do would

788

00:36:19,250 --> 00:36:17,400

you have to go overseas what's the best

789

00:36:21,350 --> 00:36:19,260

idea for someone in your field so

790

00:36:23,390 --> 00:36:21,360

Australia actually luckily has quite a

791

00:36:24,740 --> 00:36:23,400

lot of really cool virology stuff

792

00:36:27,260 --> 00:36:24,750

happening so you might have heard of

793

00:36:31,490 --> 00:36:27,270

animal house down at Geelong that's that

794

00:36:33,140 --> 00:36:31,500

big we call it bcl for facility and that

795

00:36:36,140 --> 00:36:33,150

that's where the nastiest of pathogens

796

00:36:37,790 --> 00:36:36,150

can actually be studied so Hendricks

797

00:36:39,230 --> 00:36:37,800

being studied there Ebola was being

798

00:36:41,600 --> 00:36:39,240

studied there all those kinds of things

799

00:36:42,830 --> 00:36:41,610

and that's obviously fascinating but of

800

00:36:44,600 --> 00:36:42,840

course we have all sorts of things that

801
00:36:46,460 --> 00:36:44,610
we're interested in a lot of arboviruses

802
00:36:48,800 --> 00:36:46,470
like dengue Ross River because we have a

803
00:36:50,120 --> 00:36:48,810
lot of those and really no matter what

804
00:36:51,560 --> 00:36:50,130
path you want to take you can do it in

805
00:36:53,840 --> 00:36:51,570
Australia you can work for pharma

806
00:36:56,030 --> 00:36:53,850
company you can work for a university or

807
00:36:58,310 --> 00:36:56,040
you can work in sort of other industries

808
00:37:00,290 --> 00:36:58,320
as well and of course there's so much

809
00:37:02,270 --> 00:37:00,300
virology there's the immunology point of

810
00:37:04,460 --> 00:37:02,280
view there's the point of view of sort

811
00:37:05,870 --> 00:37:04,470
of looking for vaccines or just learning

812
00:37:08,090 --> 00:37:05,880
how they work to sort of help everyone

813
00:37:09,290 --> 00:37:08,100

else do their job so i would say that

814

00:37:11,120 --> 00:37:09,300

anyone who's interested in virology

815

00:37:11,490 --> 00:37:11,130

could definitely get a good career and

816

00:37:13,080 --> 00:37:11,500

run

817

00:37:14,670 --> 00:37:13,090

how hard is it like you've worked

818

00:37:16,560 --> 00:37:14,680

through a couple disciplines I compared

819

00:37:17,760 --> 00:37:16,570

to maybe theoretical physics or

820

00:37:20,310 --> 00:37:17,770

something like that and where does

821

00:37:22,530 --> 00:37:20,320

virology sit on the difficulties in the

822

00:37:24,060 --> 00:37:22,540

difficulty of exam scale I definitely

823

00:37:25,860 --> 00:37:24,070

think the math is a lot harder in

824

00:37:27,420 --> 00:37:25,870

theoretical physics but of course there

825

00:37:28,980 --> 00:37:27,430

are a lot of theoretical physics say

826

00:37:30,600 --> 00:37:28,990

they have the luxury of not having to

827

00:37:33,390 --> 00:37:30,610

strictly prove a lot of the theories

828

00:37:35,460 --> 00:37:33,400

whereas I I do awesome mmm yeah bloody

829

00:37:38,280 --> 00:37:35,470

Hawkin Hawking and that those string

830

00:37:39,660 --> 00:37:38,290

theorists you know it's because there's

831

00:37:41,460 --> 00:37:39,670

no experiment that can be set up for it

832

00:37:43,980 --> 00:37:41,470

yet at least not yet hopefully one day

833

00:37:45,780 --> 00:37:43,990

that will be ok but it is so it's pretty

834

00:37:47,970 --> 00:37:45,790

tough but I mean do get really stressed

835

00:37:49,800 --> 00:37:47,980

out before an exam I got of me I've

836

00:37:51,930 --> 00:37:49,810

never been in exam for us and I never

837

00:37:53,970 --> 00:37:51,940

really liked studying for exams I do

838

00:37:55,980 --> 00:37:53,980

much better at the research part where I

839

00:37:58,320 --> 00:37:55,990

get to ask my own questions and design

840

00:37:59,790 --> 00:37:58,330

my own experiments which is you know as

841

00:38:02,700 --> 00:37:59,800

a scientist is obviously the ultimate

842

00:38:04,380 --> 00:38:02,710

thing so I think you've just got to work

843

00:38:06,570 --> 00:38:04,390

hard for the bits you don't like that's

844

00:38:08,010 --> 00:38:06,580

just what life is like and then once you

845

00:38:10,530 --> 00:38:08,020

get to a certain point enjoy it as much

846

00:38:13,020 --> 00:38:10,540

as you can okay one last question what

847

00:38:15,780 --> 00:38:13,030

is the most deadly virus to humans I was

848

00:38:17,550 --> 00:38:15,790

going to suggest the 914 flu virus but

849

00:38:19,560 --> 00:38:17,560

is there something wilder than that so

850

00:38:21,890 --> 00:38:19,570

Spanish flu was pretty bad rabies i

851

00:38:25,290 --> 00:38:21,900

think is still the most lethal virus

852

00:38:26,970 --> 00:38:25,300

because it's really no one who has ever

853

00:38:28,710 --> 00:38:26,980

been infected with it has survived so

854

00:38:30,780 --> 00:38:28,720

far as i know but of course you're not

855

00:38:33,570 --> 00:38:30,790

likely to come across rabies i would

856

00:38:36,780 --> 00:38:33,580

have said Ebola but it looks like a bowl

857

00:38:38,340 --> 00:38:36,790

is only really lethal because most

858

00:38:40,020 --> 00:38:38,350

people who get it unfortunately are in

859

00:38:42,390 --> 00:38:40,030

places like Africa where the healthcare

860

00:38:45,150 --> 00:38:42,400

isn't very good everyone who's come back

861

00:38:46,710 --> 00:38:45,160

to you know Western places or places

862

00:38:50,700 --> 00:38:46,720

better healthcare have done pretty well

863

00:38:53,400 --> 00:38:50,710

so I think flu viruses can be deadlier

864

00:38:55,620 --> 00:38:53,410

than you think but in terms of deadliest

865

00:38:57,930 --> 00:38:55,630

viruses I I assume we're probably yet to

866

00:39:01,080 --> 00:38:57,940

discover it potentially well well on

867

00:39:02,700 --> 00:39:01,090

that chilling note don't and they toss

868

00:39:20,750 --> 00:39:02,710

no worries thanks very hard bloody

869

00:39:25,410 --> 00:39:23,160

be reasonable it's a podcast in the

870

00:39:27,570 --> 00:39:25,420

merseyside skeptics society hosted by

871

00:39:29,340 --> 00:39:27,580

Michael Marshall in each monthly

872

00:39:31,500 --> 00:39:29,350

interview we'll examine belief from

873

00:39:33,090 --> 00:39:31,510

outside of the mainstream exploring how

874

00:39:34,830 --> 00:39:33,100

those views are constructed and what

875

00:39:37,800 --> 00:39:34,840

evidence people feel support their case

876

00:39:40,350 --> 00:39:37,810

on the latest issue I speak with author

877

00:39:42,870 --> 00:39:40,360

and ESP researcher Ian Clark about his

878

00:39:45,090 --> 00:39:42,880

book 426 am and about his belief that

879

00:39:47,640 --> 00:39:45,100

humans can communicate via electrical

880

00:39:49,440 --> 00:39:47,650

signals I've been told by various people

881

00:39:52,440 --> 00:39:49,450

for an hour Occam's razor it was

882

00:39:55,410 --> 00:39:52,450

probably coincident and all I could say

883

00:39:58,080 --> 00:39:55,420

is no really I promise you it's not

884

00:40:00,300 --> 00:39:58,090

coincident here what ian had to say as

885

00:40:03,210 --> 00:40:00,310

well as finding back issues to show by

886

00:40:05,700 --> 00:40:03,220

searching merseyside skeptics org UK

887

00:40:12,400 --> 00:40:05,710

forward slash podcasts are looking for

888

00:40:12,410 --> 00:40:18,640

you

889

00:40:28,349 --> 00:40:21,340

what we want is some more evidence

890

00:40:28,359 --> 00:40:33,540

hello this is Joe alabaster

891

00:40:39,970 --> 00:40:35,800

here is a press release from the

892

00:40:43,390 --> 00:40:39,980

Australian skeptics the psychic silly

893

00:40:45,700 --> 00:40:43,400

season is here more than ninety five

894

00:40:48,520 --> 00:40:45,710

percent of psychics New Year predictions

895

00:40:51,070 --> 00:40:48,530

are wrong the golden rule of psychic

896

00:40:53,970 --> 00:40:51,080

predictions make a lot of them and cry

897

00:40:56,590 --> 00:40:53,980

loudly if a tiny percentage is right

898

00:40:59,020 --> 00:40:56,600

Australian skeptics match the predictors

899

00:41:01,060 --> 00:40:59,030

and challenge the wrongest profits in

900

00:41:02,620 --> 00:41:01,070

Australia put yourself up for the

901
00:41:06,570 --> 00:41:02,630
hundred-thousand-dollar challenge or

902
00:41:08,950 --> 00:41:06,580
shut up every year at about this time

903
00:41:10,450 --> 00:41:08,960
Australia's psychic fraternity make

904
00:41:13,030 --> 00:41:10,460
their new year's predictions for the

905
00:41:15,640 --> 00:41:13,040
coming year and every year they get it

906
00:41:18,070 --> 00:41:15,650
mostly wrong but they're never held to

907
00:41:20,080 --> 00:41:18,080
account their homework is never marked

908
00:41:22,000 --> 00:41:20,090
and they're simply back again in 12

909
00:41:24,580 --> 00:41:22,010
months to make more wrong predictions

910
00:41:26,710 --> 00:41:24,590
the best of them even publish their

911
00:41:28,690 --> 00:41:26,720
predictions in the Australian psychic

912
00:41:30,790 --> 00:41:28,700
directory which is now called the

913
00:41:34,330 --> 00:41:30,800

International psychic directory for some

914

00:41:36,730 --> 00:41:34,340

reason Richard Saunders investigator

915

00:41:39,460 --> 00:41:36,740

with Australian skeptic zinc points out

916

00:41:41,650 --> 00:41:39,470

that quote we've been monitoring this

917

00:41:44,980 --> 00:41:41,660

panoply of psychic silliness for years

918

00:41:47,230 --> 00:41:44,990

and by our calculations only about 5% of

919

00:41:49,600 --> 00:41:47,240

predictions ever have any element of

920

00:41:52,180 --> 00:41:49,610

truth about what you get from simply

921

00:41:54,220 --> 00:41:52,190

guessing and even most of these are

922

00:41:55,920 --> 00:41:54,230

either obvious there will be an

923

00:41:58,330 --> 00:41:55,930

earthquake somewhere in the world or

924

00:42:00,280 --> 00:41:58,340

vague there will be an interesting

925

00:42:03,580 --> 00:42:00,290

developments in the relationship between

926
00:42:05,800 --> 00:42:03,590
will and kate if they have one accurate

927
00:42:07,450 --> 00:42:05,810
head on a specific prediction it's

928
00:42:09,910 --> 00:42:07,460
probably more good luck than good

929
00:42:11,770 --> 00:42:09,920
judgement but the psychic will dine out

930
00:42:15,700 --> 00:42:11,780
on that for the rest of their life and

931
00:42:17,590 --> 00:42:15,710
quote Saunders said quote some people

932
00:42:19,630 --> 00:42:17,600
say that these predictions are only for

933
00:42:22,510 --> 00:42:19,640
entertainment and shouldn't be taken too

934
00:42:25,240 --> 00:42:22,520
seriously but these people charge money

935
00:42:27,940 --> 00:42:25,250
often big money for their services if

936
00:42:30,340 --> 00:42:27,950
your mechanic or brain surgeon was right

937
00:42:32,140 --> 00:42:30,350
only five percent of the time you'd

938
00:42:35,200 --> 00:42:32,150

probably look for a different mechanic

939

00:42:36,820 --> 00:42:35,210

or brain surgeon if all mechanics or

940

00:42:39,010 --> 00:42:36,830

brain surgeons were right only five

941

00:42:41,800 --> 00:42:39,020

percent of the time you probably start

942

00:42:43,990 --> 00:42:41,810

to doubt the whole industry we've issued

943

00:42:45,970 --> 00:42:44,000

a challenge to any Australian psychic

944

00:42:47,140 --> 00:42:45,980

who can strut their stuff and we're

945

00:42:49,000 --> 00:42:47,150

offering a hundred

946

00:42:52,180 --> 00:42:49,010

thousand dollars to anyone who can prove

947

00:42:53,980 --> 00:42:52,190

their predictive skills to date no one

948

00:42:58,420 --> 00:42:53,990

has applied who would have predicted

949

00:43:00,280 --> 00:42:58,430

that and quote anyway never being people

950

00:43:03,160 --> 00:43:00,290

who show fear in the face of futility

951
00:43:05,050 --> 00:43:03,170
this year Australian skeptic has decided

952
00:43:07,720 --> 00:43:05,060
to join the throng and make our own

953
00:43:12,910 --> 00:43:07,730
incorrect vague or obvious predictions

954
00:43:14,710 --> 00:43:12,920
and one correct one here goes prediction

955
00:43:19,390 --> 00:43:14,720
one there will be an earthquake

956
00:43:21,720 --> 00:43:19,400
somewhere in the world reality the US

957
00:43:23,860 --> 00:43:21,730
National earthquake Information Center

958
00:43:26,580 --> 00:43:23,870
estimates that several million

959
00:43:29,290 --> 00:43:26,590
earthquakes occur in the world each year

960
00:43:31,480 --> 00:43:29,300
many go undetected because they hit

961
00:43:34,270 --> 00:43:31,490
remote areas or have very small

962
00:43:36,820 --> 00:43:34,280
magnitudes the average number of

963
00:43:42,340 --> 00:43:36,830

earthquakes of magnitude 5 and over for

964

00:43:48,160 --> 00:43:42,350

the last hundred years is 1319 per annum

965

00:43:50,230 --> 00:43:48,170

that's 3.6 every day prediction to there

966

00:43:53,280 --> 00:43:50,240

will be interesting developments in the

967

00:43:58,710 --> 00:43:53,290

relationship between will and kate

968

00:44:01,330 --> 00:43:58,720

reality really good or bad prediction 3

969

00:44:04,990 --> 00:44:01,340

Malcolm Turnbull's popularity will

970

00:44:08,520 --> 00:44:05,000

decrease early in 2016 and that of Bill

971

00:44:11,560 --> 00:44:08,530

Shorten will increase but not by as much

972

00:44:14,290 --> 00:44:11,570

reality well who's not predicting this

973

00:44:18,850 --> 00:44:14,300

my cat is predicting this and she's not

974

00:44:21,010 --> 00:44:18,860

very well prediction for there will be a

975

00:44:26,590 --> 00:44:21,020

federal election in the second half of

976
00:44:28,990 --> 00:44:26,600
2016 reality what has to be in 2016 and

977
00:44:32,050 --> 00:44:29,000
where the first half or second half is a

978
00:44:33,640 --> 00:44:32,060
50-50 chance but if prediction 3 is

979
00:44:36,090 --> 00:44:33,650
correct then it's pretty much a

980
00:44:40,510 --> 00:44:36,100
certainty to be in the second half

981
00:44:44,610 --> 00:44:40,520
prediction 5 the 2016 budget will

982
00:44:46,840 --> 00:44:44,620
receive a lukewarm response reality if

983
00:44:48,490 --> 00:44:46,850
predictions three and four are correct

984
00:44:51,400 --> 00:44:48,500
then this will be a responsible

985
00:44:56,470 --> 00:44:51,410
pre-election budget ie okay but not

986
00:44:58,480 --> 00:44:56,480
overly generous prediction 6 there will

987
00:45:00,940 --> 00:44:58,490
be a major ferry disaster in the

988
00:45:05,530 --> 00:45:00,950

northern hemisphere in 2016

989

00:45:07,630 --> 00:45:05,540

in reality there have been more than 50

990

00:45:11,079 --> 00:45:07,640

maritime disasters with significant loss

991

00:45:13,000 --> 00:45:11,089

of life in the last 15 years the vast

992

00:45:15,790 --> 00:45:13,010

majority of those were in the northern

993

00:45:18,190 --> 00:45:15,800

hemisphere but psychics are notoriously

994

00:45:20,290 --> 00:45:18,200

geographically challenged they'll claim

995

00:45:24,900 --> 00:45:20,300

any prediction anywhere and find some

996

00:45:27,910 --> 00:45:24,910

reason why they were closed prediction 7

997

00:45:31,680 --> 00:45:27,920

Brad and Angelina will break up and

998

00:45:34,750 --> 00:45:31,690

Angelina will retire from moviemaking

999

00:45:37,000 --> 00:45:34,760

reality the break of a Brangelina is

1000

00:45:39,760 --> 00:45:37,010

predicted every year but note that

1001
00:45:42,960 --> 00:45:39,770
retire from moviemaking might mean her

1002
00:45:47,560 --> 00:45:42,970
directing career rather than her acting

1003
00:45:50,140 --> 00:45:47,570
prediction 8 John Howard the actor not

1004
00:45:53,319 --> 00:45:50,150
the former PM will be involved in a car

1005
00:45:58,750 --> 00:45:53,329
accident in Victoria in May he will be

1006
00:46:02,050 --> 00:45:58,760
shaken but unharmed reality a specific

1007
00:46:04,750 --> 00:46:02,060
prediction yeah if it turns out to be

1008
00:46:07,420 --> 00:46:04,760
true we're made for life but there are a

1009
00:46:10,180 --> 00:46:07,430
few hours it might actually turn out to

1010
00:46:12,670 --> 00:46:10,190
be the X p.m. invite me near Victoria

1011
00:46:15,640 --> 00:46:12,680
New South Wales South Australia Tasmania

1012
00:46:19,120 --> 00:46:15,650
acct see geographically challenged above

1013
00:46:22,059 --> 00:46:19,130

or it might be June or April temporarily

1014

00:46:26,520 --> 00:46:22,069

challenged as well with psychics near

1015

00:46:28,480 --> 00:46:26,530

enough is close enough prediction 9 a

1016

00:46:31,569 --> 00:46:28,490

much-loved member of the royal family

1017

00:46:35,890 --> 00:46:31,579

will leave us in 2016 and there will be

1018

00:46:39,430 --> 00:46:35,900

much sadness reality which royal family

1019

00:46:41,859 --> 00:46:39,440

surely not denmark japan leaves it wide

1020

00:46:44,200 --> 00:46:41,869

open to post facto claims of accuracy

1021

00:46:48,579 --> 00:46:44,210

now if you'd said the british royal

1022

00:46:51,550 --> 00:46:48,589

family prediction 10 the vast majority

1023

00:46:54,690 --> 00:46:51,560

of australian psychics will get the vast

1024

00:46:57,400 --> 00:46:54,700

majority of their predictions wrong

1025

00:47:00,400 --> 00:46:57,410

reality this is the accurate one a

1026
00:47:03,670 --> 00:47:00,410
guaranteed winner and one for good

1027
00:47:06,250 --> 00:47:03,680
measure the open mic prediction reality

1028
00:47:08,339 --> 00:47:06,260
make up your own it's just as likely to

1029
00:47:10,329 --> 00:47:08,349
be correct as the professionals

1030
00:47:14,260 --> 00:47:10,339
interested in keeping up with what's

1031
00:47:18,790 --> 00:47:14,270
going on with Australian skeptics visit

1032
00:47:37,610 --> 00:47:18,800
www skeptics kome you or check them out

1033
00:47:42,750 --> 00:47:40,380
on to help support the skeptic zonin

1034
00:47:46,550 --> 00:47:42,760
look pretty damn stylish while you're

1035
00:47:49,950 --> 00:47:46,560
about it visit mr. Katz origami jewelry

1036
00:47:53,130 --> 00:47:49,960
owww CA pigs on TV and click the link or

1037
00:47:57,000 --> 00:47:53,140
simply Google mr. Katz origami jewelry

1038
00:48:01,260 --> 00:47:57,010

also on Facebook pendants earrings and

1039

00:48:16,870 --> 00:48:01,270

cufflinks support mr. cat support the

1040

00:48:21,860 --> 00:48:19,940

thank you for listening to the skeptic

1041

00:48:25,520 --> 00:48:21,870

zone and aren't those anti-vaccination

1042

00:48:27,620 --> 00:48:25,530

stories a bit of a worry a bit of a

1043

00:48:30,080 --> 00:48:27,630

worry thanks to those wonderful European

1044

00:48:33,050 --> 00:48:30,090

people from the ESP podcast for having a

1045

00:48:36,890 --> 00:48:33,060

chat to me and thanks to Maynard Ross

1046

00:48:40,130 --> 00:48:36,900

and Joe for also taking part in this

1047

00:48:43,160 --> 00:48:40,140

week's episode coming up on the skeptic

1048

00:48:44,960 --> 00:48:43,170

zone even more from Maynard even more

1049

00:48:47,000 --> 00:48:44,970

there are still more interviews to come

1050

00:48:48,590 --> 00:48:47,010

from a nod from weeks and weeks and

1051

00:48:49,910 --> 00:48:48,600

weeks ago when he was running around at

1052

00:48:51,800 --> 00:48:49,920

the Australian skeptics National

1053

00:48:53,660 --> 00:48:51,810

Convention all the next national

1054

00:48:56,870 --> 00:48:53,670

convention is going to be in in

1055

00:48:59,480 --> 00:48:56,880

Melbourne fantastic not exactly sure of

1056

00:49:00,860 --> 00:48:59,490

the date yet but stay tuned over the

1057

00:49:04,130 --> 00:49:00,870

next few months I'm sure we'll find that

1058

00:49:06,020 --> 00:49:04,140

up our way and do enjoy skeptics

1059

00:49:10,310 --> 00:49:06,030

convention in Melbourne are they always

1060

00:49:12,260 --> 00:49:10,320

put on I really find event if you're a

1061

00:49:14,360 --> 00:49:12,270

new skeptical group or you're having a

1062

00:49:17,270 --> 00:49:14,370

skeptical event anyway around the world

1063

00:49:19,970 --> 00:49:17,280

and you want that to be publicised drop

1064

00:49:22,760 --> 00:49:19,980

me a line just go to skeptics own TV and

1065

00:49:25,610 --> 00:49:22,770

click the contacts link let me know

1066

00:49:29,330 --> 00:49:25,620

about it maybe we can organise to have

1067

00:49:31,100 --> 00:49:29,340

it appear on the show but for this week

1068

00:49:33,980 --> 00:49:31,110

and there are not too many more weeks

1069

00:49:41,480 --> 00:49:33,990

left in 2015 this is Richard Saunders

1070

00:49:43,100 --> 00:49:41,490

signing off from Sydney Australia you've

1071

00:49:46,670 --> 00:49:43,110

been listening to the skeptics own

1072

00:49:49,580 --> 00:49:46,680

podcast visit our website at wwc a

1073

00:49:53,030 --> 00:49:49,590

petting zoo TV for contacts an archive

1074

00:49:55,730 --> 00:49:53,040

of all episodes since 2008 and our

1075

00:49:57,640 --> 00:49:55,740

online store please support the skeptic

1076

00:50:00,830 --> 00:49:57,650

zone by following us on twitter at

1077

00:50:04,460 --> 00:50:00,840

skeptic zone liking us on facebook and

1078

00:50:06,620 --> 00:50:04,470

leaving a review on iTunes you can also

1079

00:50:09,790 --> 00:50:06,630

show your support by subscribing via

1080

00:50:12,560 --> 00:50:09,800

paypal for as little as 99 cents a week

1081

00:50:13,440 --> 00:50:12,570

the skeptic zone is an independent

1082

00:50:15,359 --> 00:50:13,450

production

1083

00:50:17,430 --> 00:50:15,369

the views and opinions expressed on the

1084

00:50:20,120 --> 00:50:17,440

skeptic zone and not necessarily those